2023 Budget Workshop
Sewer Fund

15.46 Miles of Sewer Line

1163 - Total connections (2022 YTD)

118 Manholes

88 Cleanouts

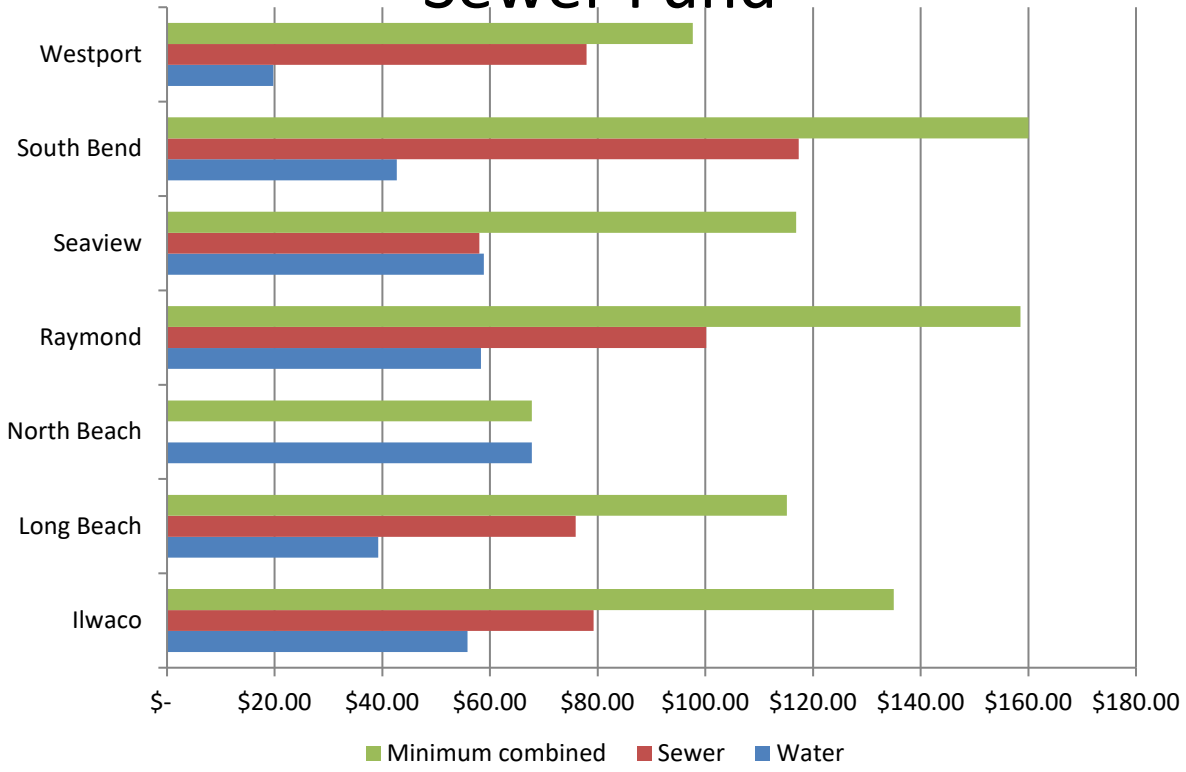
7 Lift Stations

271,397 Gallons Treated Per Day on Average in 2021

1,083,000 Gallons of Sludge Treated Into Compost in 2021

2023 Budget

Sewer Fund



2022 Rates	Ilwaco	Long Beach	North Beach	Raymond	Seaview	South Bend	Westport
Sewer	$ 79.22	$ 75.90	Septic	$ 100.19	$ 58.00	$ 117.33	$ 77.92

Rate increase as proposed is $3.04 per month, $36.48 per year.
This is an 4% percent increase.

2023 Budget

Sewer Rates

		Proposed Change	
	2022	2023	Difference
Residential	$ 75.90	$ 78.94	$ 3.04
Senior Low income	Discount		
$25,475-$29,631	15%	$ 67.10	$ 11.84
$15,796-$25,474	30%	$ 55.26	$ 23.68
$9,519-$15,795	45%	$ 43.41	$ 35.53
$9,518 and under	60%	$ 31.57	$ 47.37

2023 Budget

Monthly Sewer Rates

SEWER - In City Rate			
Sewer type	**2021**	**2022**	**2023**
Single Family Residence	$ 73.69	$ 75.90	$ 78.94
Apartments, Per Unit	$ 73.69	$ 75.90	$ 78.94
Motels, Base Charge	$ 98.29	$ 101.24	$ 105.29
Motels, each additional rental	$ 16.64	$ 17.14	$ 17.83
Condominiums, each rental	$ 73.69	$ 75.90	$ 78.94
Mobile Home Parks, each rental space	$ 73.38	$ 75.58	$ 78.60
Trailer Parks, Base Charge	$ 98.42	$ 101.38	$ 105.43
Trailer Parks, each hookup	$ 12.27	$ 12.64	$ 13.15
Laundromats, self-service & Dry Cleaning	$ 337.21	$ 347.32	$ 361.22
Industrial Laundry	$ 613.86	$ 632.27	$ 657.56
Car Washing Facilities	$ 337.21	$ 347.32	$ 361.22
Canner Operations	$ 337.21	$ 347.32	$ 361.22
Restaurants, Taverns (first 20 person capacity)	$ 140.68	$ 144.90	$ 150.70
Restaurants, Taverns (each additional 5 person capacity)	$ 10.76	$ 11.08	$ 11.52
Schools - Summer Rate	$ 184.09	$ 189.62	$ 197.20
Schools - Sept. - May (each occupant)	$ 5.21	$ 5.37	$ 5.58
Nursing Homes, Convalescent Center base charge	$ 86.04	$ 88.62	$ 92.17
Nursing Homes, Convalescent Center each patient bed available	$ 16.64	$ 17.14	$ 17.83
Service Station	$ 98.29	$ 101.24	$ 105.29
Churches, municipal parks & buildings	$ 110.57	$ 113.89	$ 118.45
Theaters, large stores, banks, medical & Dental clinics, mortuaries & beauty shops	$ 112.78	$ 116.16	$ 120.81
Fraternal Halls, per floor	$ 159.69	$ 164.48	$ 171.06
Business offices, small stores & optometrist	$ 80.11	$ 82.52	$ 85.82
State Parks Restroom Facilities	$ 238.31	$ 245.46	$ 255.28

2023 Budget
6-Year Capital Plan

- Between 2023 and 2029 we are expecting to expend $7,335,800
  - These figures are estimates based on funding opportunities and awards.

- Prices of future projects will be higher due to inflation and other protentional outside factors.

- Due to a 40-year high inflation rate, operational expenses and repairs and maintenance supplies have increase.

2023 Budget
Sewer Fund – Capital

Collection System				
Annual Pipe Replacement	**Replace older damaged sewer lines, annual TV inspection or emergency repairs as needed.**	**$18,000 per year**	**2023, 2024, 2025, 2026, 2027, 2028**	**City Funds - Wastewater**
Oregon Avenue N from 17th St NE to 12th St NE	**Replace 1700' of 10" pipe with 12" pipe. Provide conveyance for flows from Lift Station #4 (17th Street NE & Oregon Avenue) to Lift Station #3 (12th Street NE & Oregon Avenue). Also provides for upgrade of Lift Station #4.**	**$1,536,000**	**2025**	**Public Works Trust Fund (PWTF) (Loan), Water Pollution Control – State Revolving Fund (SRF) (Loan)**
Oregon Avenue N from 12th St NE to 6th St NE	**Replace 1600' of 12" pipe with 15" pipe. Provide conveyance for flows from Lift Station #3 (12th Street NE & Oregon Avenue) to Main Lift Station (6th Street NE & Oregon Avenue). Also provides for upgrade of Lift Station #3.**	**$1,620,000**	**2025**	**Public Works Trust Fund (PWTF) (Loan), Water Pollution Control – State Revolving Fund (SRF) (Loan)**

2023 Budget
Sewer Fund – Capital
Pending Congressional Grant Award

Lift Stations				
Lift Station #1 – Upgrade (15th Street SE & Oregon Avenue)	**Increase capacity to 350 gallons per minute (gpm). Provide capacity for future development in Lift Station #1 basin for development in dune area. Deteriorated condition of lift station identifies need to upgrade.**	**$505,200**	**2022**	**City Funds – Sewer**
Lift Station Main – Miscellaneous Upgrades (6th Street NE & Oregon Avenue)	**Maintenance improvements and code correction. Improve operation of station and code compliance.**	**$49,200**	**2023**	**Federal Congressional Funding & City Funds – Sewer**
Lift Station #2 – Miscellaneous Upgrades (4th Street SE & Oregon Avenue)	**Operation and maintenance improvements to prevent further deterioration of the condition of the station. Improve ability to monitor flows.**	**$262,800**	**2023**	**Federal Congressional Funding & City Funds – Sewer**
Lift Station #5 – Miscellaneous Upgrades (26th Street NW & Ocean Beach Blvd N)	**Installation of an emergency generator. Generator required by Department of Ecology to meet redundancy requirements. Improve ability to monitor flows. Provide for additional maintenance to prevent further deterioration.**	**$370,800**	**2023**	**Federal Congressional Funding & City Funds – Sewer**
Lift Station Seacrest – Miscellaneous Upgrades (28th Street NW & Adjacent Breakers N)	**Maintenance improvements to prevent further deterioration and improve ability to monitor flows.**	**$231,600**	**2023**	**City Funds – Sewer**
Lift Station #3 – Upgrade (12th Street NE & Oregon Avenue)	**Provide capacity for Pioneer Annex area and flows in Lift Station #4 and #5 basins. To support additional sewers in Pioneer Annex area and increased development in Lift Station #4 and #5 basins.**	**$643,200**	**2023**	**Federal Congressional Funding & City Funds – Sewer**
Lift Station #4 – Upgrade (17th Street NE & Oregon Avenue)	**Provide capacity for Pioneer Annex area and flows in Lift Station #3, #4 and #5 basins. To support additional sewers in Pioneer Annex area and increased development in Lift Station #3, #4 and #5 basins.**	**$643,200**	**2023**	**Federal Congressional Funding & City Funds – Sewer**
Lift Station Breakers – Lift Station Replacement (SW Corner of Property Breakers Condominiums)	**Replace current lift station configuration with a submersible station. Work on the station took place to make operational but does need replacement.**	**$844,800**	**2027**	**City Funds – Sewer**

2023 Budget
Sewer Fund – Capital

Treatment Plant				
Head Monitoring Interface (HMI) Replacement	Upgrade of existing equipment. Existing system is obsolete and is not supported by vendors.	$98,000	2022	City Funds – Sewer
Program Logic Controller (PLC) Replacement	Upgrade of existing equipment. Existing system is obsolete and is not supported by vendors.	$147,000	2022	City Funds – Sewer
Influent Sampler	Replacement of existing equipment, current equipment is not reliable.	$29,000	2023	City Funds – Sewer
Aeration Basin – Improvements	Replace existing diffuser heads, as several diffuser heads are broken.	$181,000	2023	City Funds – Sewer
Secondary Clarifier – Improvements	Maintenance of existing equipment, painting due to rust on metal structure.	$31,600	2023	City Funds – Sewer
Ultraviolet (UV) Disinfection System	Replace existing UV system. Scheduled replacement due to the age of equipment.	$190,000	2023	City Funds – Sewer
Effluent, RAS and WAS - Improvements	Replace existing meters. Scheduled replacement due to age of equipment.	$31,000	2025	City Funds – Sewer
Effluent Sampler - Improvements	Replace existing effluent sampler. Scheduled replacement due to age of equipment.	$29,000	2025	City Funds – Sewer
Aerobic Digester - Improvements	Replace existing blowers. Scheduled replacement due to age of equipment.	$135,000	2025	City Funds – Sewer
Lift Station Main – Improvements (6th Street NE & Oregon Avenue)	Replace existing pumps. Scheduled replacement due to age of equipment.	$141,000	2028	City Funds – Sewer
Influent – Fine Screen	Replace existing screen. Scheduled replacement due to the age of equipment.	$191,000	2028	City Funds – Sewer

2023 Budget

Sewer Fund

	Annual Requirements	
1	Professional Service - Annual calibration: Influent & Effluent flow meters, dissolved oxygen and pH meters	$1,750
2	Professional Service - Annual calibration digital scale	$1,000
3	Professional Service - TV, jet/clean & map sewer service lines	$20,000
4	Professional Service - Blind sample for lab work to complete one water proficiency study annually	$950
5	Replacement Ultraviolet Lamps for UV disinfection system	$3,250
6	General Plant Supplies	$9,000
7	General Lab Testing Supplies	$9,000
8	Lab Accreditation Fee	$4,500
9	Disposal - Headworks Debris	$4,000
		$53,450

All items included in presented budget

2023 Budget

Sewer Fund

	Operating Supplies	
10	Personal Protective Equipment - Safety & Miscellaneous hardware	$2,000
11	Universal Blower; blowers, belts and filters	$2,200
12	Supplies - Lab & Equipment	$5,000
13	Supplies - Chemicals	$5,500
14	Supplies - Lab Testing	$9,500
15	Supplies - General & miscellaneous	$8,000
16	Supplies - Distiller for Lab	$3,000
17	Supplies - Vac Pump for Lab	$3,000
18	Supplies - Office and Data Recording	$500
19	Supplies - Compost Plant (Bark Dust, Wood Chips & Polymer)	$60,000
		$98,700
	Capital Facilities & Equipment	
20	Professional Service - PLC Service Contract	$40,000
21	Professional Service - Pumps - Annual maintenance, service & rebuild	$60,000
22	Professional Service - Electrical	$35,000
23	Professional Service - SCADA/PLC Improvements, Modernization & Upgrades	$0
24	Equipment - Vac Truck, Non Commercial Drivers License - New	$0
		$95,000
	Training	
24	Continuing Education - Wastewater Operator CEU's, licenses and conferences	$10,000
		$10,000

All items included in presented budget

2023 Budget

Training and Certification Plan

Current Certifications & Maintain:
JG – WWTPO 2 (Working to Earn - Level 3) , WTPO 1, CCFO, WDM 1 (Working to Earn - Level 2), Asbestos Certification
KB – WWTPO 2, (CCFO – Working to Earn Certification), (WDM - Working to Earn - Level 1), Asbestos Certification
TC – WWTPO 2 (Earned Level 2 in 2022), CCFO, WDM 1 (Working to Earn - Level 2), WDS 1, CCS, Asbestos Certification
TP – Multiple ASE Certifications to include Master Technician & Heavy-Duty Truck, Asbestos Certification

Acronym Definitions:
WWTPO – Wastewater Treatment Plant Operator
WTPO – Water Treatment Plant Operator
CCFO – Certified Compost Facility Operator
WDM – Water Distribution Manager
WDS – Water Distribution Specialist
CCS – Cross Connection Control Specialist
ASE – Automotive Service Excellence – Certified Professional

2023 Budget

Sewer Fund

CITY OF LONG BEACH				
Sewer Fund - 402				
DESCRIPTION	2023 Budget	2022 Estimate	2022 Budget	2021 Actual
REVENUES				
BEGINNING FUND BALANCE	635,518	985,402	957,786	821,273
TOTAL BEGINNING FUND BALANCE	**635,518**	**985,402**	**957,786**	**821,273**
SEWER RECEIPTS	1,684,800	1,620,000	1,570,750	1,645,057
SEWER CONNECTIONS	20,000	33,000	20,000	45,000
TIMBER SALES				
COMPOST SALES	1,000	2,700	1,000	2,922
SEWER CONTRACTS	15,000	17,000	10,000	19,248
PAC MNT GRANT	-		2,000	-
FUND CONTRIBUTIONS	-		150	15,118
ILWACO ENG REPORT PAYBACK	2,500	2,500	2,500	2,549
FEMA GRANT				57,080
CDBG - LIFT STATIONS	1,000,000			
CDS - LIFT STATIONS - PENDING	1,670,000			
DOE INTERGOVERNMENTAL LOAN				405,689
	4,393,300	**1,675,200**	**1,606,400**	**2,192,663**
TOTAL REVENUES	**5,028,818**	**2,660,602**	**2,564,186**	**3,013,936**

2023 Budget

Sewer Fund

DESCRIPTION	2023 Budget	2022 Estimate	2022 Budget	2021 Actual
EXPENDITURES				
ENGINEERING PROFESSIONAL SERV.	15,000	25,000	40,000	5,925
SALARIES	418,003	403,875	403,875	428,420
BENEFITS	207,245	200,418	200,418	201,570
OPERATING SUPPLIES	150,000	200,000	140,000	144,676
ACCOUNTING SERVICES	5,000	5,000	5,000	-
PROFESSIONAL SERVICES	75,000	220,000	220,000	13,428
COMMUNICATIONS	4,000	4,000	4,000	3,048
TRAVEL	5,000	5,000	5,000	3,332
ADVERTISING	150	150	150	355
INSURANCE	67,543	54,034	54,034	49,121
UTILITIES	55,000	55,000	55,000	55,916
REPAIRS & MAINTENANCE	3,265,000	100,000	505,000	87,581
IMPROVEMENTS				53,076
EQUIPMENT		130,000	112,000	88,379
SEWER INSPECTION & CLEANING	20,000	20,000	40,000	27,075
TRAINING	10,000	10,000	10,000	5,447
STATE EXCISE TAX	64,898	62,402	60,505	67,686
TOTAL EXPENDITURES	**4,361,839**	**1,494,880**	**1,854,983**	**1,235,035**

2023 Budget

Sewer Fund

DESCRIPTION	2023 Budget	2022 Estimate	2022 Budget	2021 Actual
PWTF LOAN - WWTP PHASE 1				
CCWF LOAN - WWTP PHASE 1				59,345
CCWF LOAN - WWTP PHASE 2	133,686	133,686	133,686	133,686
CCWF LOAN - WWTP P2 & 3 - DESIGN	16,880	16,880	16,880	49,615
DOE ENG REPORT				12,652
DOE Biosolids Plant	282,000	282,000	304,415	
BOP Bond	16,224	17,638	17,638	17,638
TRANS. FUNDS TO CURRENT EXPENSE				
TRANS. FUNDS TO SEWER SINKING	.	60,000	60,000	60,000
TOTAL OTHER FINANCING USES	**448,790**	**510,204**	**532,619**	**332,936**
TOTAL EXPENDITURES	**4,810,629**	**2,005,084**	**2,387,602**	**2,028,533**
Carry Over	238,189	655,518	176,584	985,402

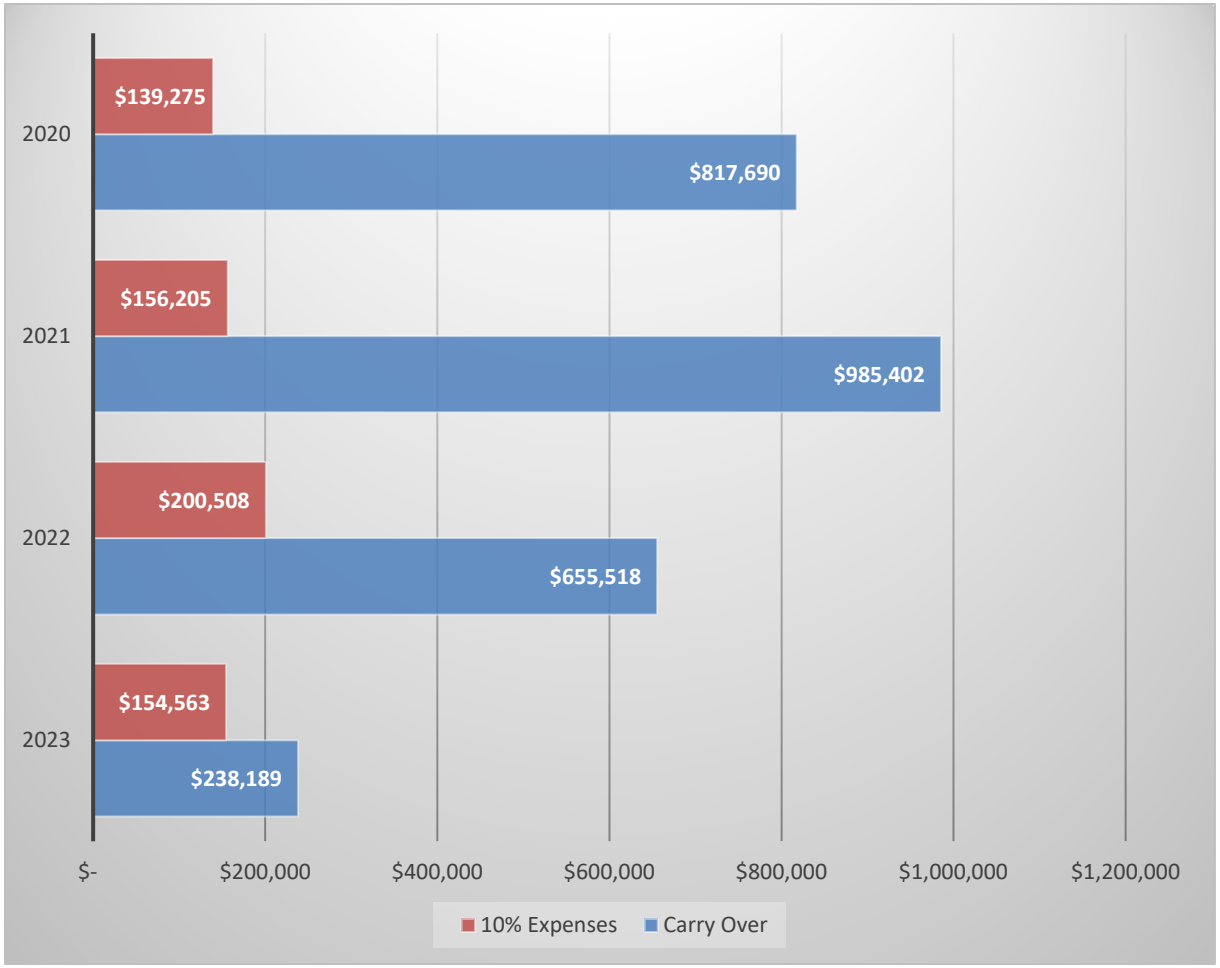
2023 Budget

Sewer Fund

City of Long Beach			
SEWER SINKING FUND -405			
	2023	2022	2021
DESCRIPTION	Budget	Estimated	Actual
Revenues			
BEGINNING FUND BALANCE	310,000	250,000	190,000
TOTAL BEGINNING FUND BALANCE	**310,000**	**250,000**	**190,000**
TOTAL REVENUES			
TRANSFER FROM 402 -SEWER		60,000	60,000
TOTAL SEWER SINKING	**310,000**	**310,000**	**250,000**
Expenditures			
SEWER SINKING FUND			
TRANSFER TO 402 - SEWER			
TOTAL NON EXPENDITURES			
VAC TRUCK			
COMP PLAN CAPITAL EXPENDITURES			
TOTAL SEWER SINKING EXPENDITURES	**0.00**	**0.00**	**0.00**
Carry Over to next year	310,000	310,000	250,000

2023 Budget

Sewer Fund – Carry Over



2023 Budget

Sewer Fund – Loan Amortization Tables

	Sludge Truck		Digester, Clarifier & UV		Biosolids Plant		
	BOP-60067115		DOE-L0400011		WQC-2019-LongBe-00060		Total
	BOP WWP Rev Bond		DOE WW Rev Loan		DOE SRF Loan - Biosolids Plant		Interest &
Year	Principal	Interest	Principal	Interest	Principal	Interest	Principal
2023	15,724	500	127,981	5,705	219,403	85,011	454,324
2024			129,914	3,772	223,609	80,806	438,101
2025			131,876	1,810	227,894	76,520	438,100
2026			21,241	240	232,262	72,152	325,895
2027					236,714	67,701	304,415
2028-2040					3,371,321	433,864	3,805,185
TOTAL	**220,000**	**119,123**	**2,255,718**	**351,156**	**4,891,188**	**1,044,899**	5,766,019
Total as							
of 1/2024	**-**	**-**	***283,031***	***5,822***	***4,291,800***	***731,043***	
PRIN & INT	**16,224.03**		**133,685.80**		**304,414.00**		2023 Payment
							454,323.83